



RAW SEQUENCE LISTING

DATE: 04/07/2003

PATENT APPLICATION: US/09/676,053C

TIME: 14:30:48

Input Set : A:\Seqlist.txt

Output Set: N:\CRF4\04072003\I676053C.raw

```

4 <110> APPLICANT: Allergan Sales, Inc
6 <120> TITLE OF INVENTION: MODIFICATION OF CLOSTRIDIAL TOXINS FOR
7   USE AS TRANSPORT PROTEINS
10 <130> FILE REFERENCE: 17044DIV(AP)
12 <140> CURRENT APPLICATION NUMBER: 09/676,053C
13 <141> CURRENT FILING DATE: 2000-09-28
15 <150> PRIOR APPLICATION NUMBER: 08/750,101
16 <151> PRIOR FILING DATE: 1997-05-01
18 <150> PRIOR APPLICATION NUMBER: PCT/GB95/0125
19 <151> PRIOR FILING DATE: 1995-05-31
21 <150> PRIOR APPLICATION NUMBER: GB 9410870.1
22 <151> PRIOR FILING DATE: 1994-05-31
24 <150> PRIOR APPLICATION NUMBER: GB 9410871.9
25 <151> PRIOR FILING DATE: 1994-05-31
27 <160> NUMBER OF SEQ ID NOS: 19
29 <170> SOFTWARE: FastSEQ for Windows Version 3.0
31 <210> SEQ ID NO: 1
32 <211> LENGTH: 33
33 <212> TYPE: DNA
34 <213> ORGANISM: Clostridium botulinum
36 <400> SEQUENCE: 1
37   gagatgggtcg acatgccaat aaccataaat aat
39 <210> SEQ ID NO: 2
40 <211> LENGTH: 32
41 <212> TYPE: DNA
42 <213> ORGANISM: Clostridium botulinum
44 <400> SEQUENCE: 2
45   acgcgaagct tttatcatgc agttctatta ta
47 <210> SEQ ID NO: 3
48 <211> LENGTH: 30
49 <212> TYPE: DNA
50 <213> ORGANISM: Clostridium botulinum
52 <400> SEQUENCE: 3
53   tagtacatgt ataagtgcgt gcattaatag
55 <210> SEQ ID NO: 4
56 <211> LENGTH: 20
57 <212> TYPE: DNA
58 <213> ORGANISM: Clostridium botulinum
60 <400> SEQUENCE: 4
61   ttatacatgt actacatggt
63 <210> SEQ ID NO: 5
64 <211> LENGTH: 23
65 <212> TYPE: DNA

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ENTERED

33

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RECEIVED

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APR 15 2003
TECH CENTER 1600/2900

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66 <213> ORGANISM: Clostridium botulium
68 <400> SEQUENCE: 5
69 aaaggccttt tgtaataaa caa 23
71 <210> SEQ ID NO: 6
72 <211> LENGTH: 26
73 <212> TYPE: DNA
74 <213> ORGANISM: Clostridium botulium
76 <400> SEQUENCE: 6
77 ggaattctta cttattglat ccttta 26
79 <210> SEQ ID NO: 7
80 <211> LENGTH: 18
81 <212> TYPE: DNA
82 <213> ORGANISM: Clostridium botulium
84 <400> SEQUENCE: 7
85 gcacatcaac ttatacat 18
87 <210> SEQ ID NO: 8
88 <211> LENGTH: 18
89 <212> TYPE: DNA
90 <213> ORGANISM: Clostridium botulinum
92 <400> SEQUENCE: 8
93 atgtataagt tgatgtgc 18
95 <210> SEQ ID NO: 9
96 <211> LENGTH: 18
97 <212> TYPE: DNA
98 <213> ORGANISM: Clostridium botulinum
100 <400> SEQUENCE: 9
101 aacttatata tgetggac 18
103 <210> SEQ ID NO: 10
104 <211> LENGTH: 18
105 <212> TYPE: DNA
106 <213> ORGANISM: Clostridium botulinum
108 <400> SEQUENCE: 10
109 gtccagcata tataagtt 18
111 <210> SEQ ID NO: 11
112 <211> LENGTH: 13
113 <212> TYPE: PRT
114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Synthetic antigen
119 <400> SEQUENCE: 11
120 Cys Ala Asn Gln Arg Ala Thr Lys Met Leu Gly Ser Gly
121 i 5 10
123 <210> SEQ ID NO: 12
124 <211> LENGTH: 29
125 <212> TYPE: DNA
126 <213> ORGANISM: Clostridium botulinum
128 <400> SEQUENCE: 12
129 atttcaccaa taaccataaa taattttag 29
131 <210> SEQ ID NO: 13

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```

132 <211> LENGTH: 26
133 <212> TYPE: DNA
134 <213> ORGANISM: Clostridium botulinum
136 <400> SEQUENCE: 13
137  cgggatacctt ctgtatcatt gtaaat                26
139 <210> SEQ ID NO: 14
140 <211> LENGTH: 63
141 <212> TYPE: DNA
142 <213> ORGANISM: Artificial Sequence
144 <220> FEATURE:
145 <223> OTHER INFORMATION: Polylinker region
147 <400> SEQUENCE: 14
148  atcgagggaa ggatttcaga attcggatcc tctagagtcg acatgccaat aaccataaag    60
149  ctg                                     63
151 <210> SEQ ID NO: 15
152 <211> LENGTH: 11
153 <212> TYPE: PRT
154 <213> ORGANISM: Clostridium tetani
156 <400> SEQUENCE: 15
157  Leu Leu Met His Glu Leu Ile His Val Leu His
158    1             5             10
160 <210> SEQ ID NO: 16
161 <211> LENGTH: 11
162 <212> TYPE: PRT
163 <213> ORGANISM: Artificial Sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: Ala 234 mutant region of C.tetani light chain
168 <400> SEQUENCE: 16
169  Leu Leu Met His Ala Leu Ile His Val Leu His
170    1             5             10
172 <210> SEQ ID NO: 17
173 <211> LENGTH: 13
174 <212> TYPE: PRT
175 <213> ORGANISM: Artificial Sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: Polylinker region
180 <400> SEQUENCE: 17
181  Ile Glu Gly Arg Ile Ser Glu Phe Gly Ser Pro Pro Phe
182    1             5             10
184 <210> SEQ ID NO: 18
185 <211> LENGTH: 39
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: Polylinker region
192 <400> SEQUENCE: 18
193  atcgagggaa ggatttcaga attcggatcc cccccittt    39
195 <210> SEQ ID NO: 19
196 <211> LENGTH: 19

```

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197 <212> TYPE: PRT

198 <213> ORGANISM: Artificial Sequence

200 <220> FEATURE:

201 <223> OTHER INFORMATION: Polylinker region

203 <400> SEQUENCE: 19

204 Ile Glu Gly Arg Ile Ser Glu Phe Gly Ser Ser Arg Val Asp Met Pro

205 1 5 10 15

206 Ile Thr Ile

VERIFICATION SUMMARY

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